

## Author index to volume 67

- Abbiendi, G., see G. Marchesini 67 (1992) 465
- Ambrosiano, J.J. and J.L. Geary, A one-dimensional PIC-circuit code for simulating a reflex triode 67 (1991) 210
- Amir-Azizi, S. and G.J. Daniell, Linear filtering algorithms for Monte Carlo simulations 67 (1992) 443
- Angelini, L., M. Pellicoro, L. Nitti, G. Preparata and G. Valenti, A Monte Carlo program for generating hadronic final states 67 (1991) 293
- Babalievski, F.V., On the parallelization of percolation cluster simulations 67 (1992) 453
- Balint-Kurti, G.G., C.L. Ward and C.C. Marston, Two computer programs for solving the Schrödinger equation for bound-state eigenvalues and eigenfunctions using the Fourier grid Hamiltonian method 67 (1991) 285
- Bishop, C.M., Book review 67 (1991) 357
- Brennan, K.F., N. Mansour and Y. Wang, Simulation of advanced semiconductor devices using supercomputers 67 (1991) 73
- Brown, D., see S.Y. Liem 67 (1991) 261
- Bude, J., see J.M. Higman 67 (1991) 93
- Buijs, A., B. Holl and A.M. Lee, Parallel analysis of data on a multi-node VAX cluster 67 (1992) 407
- Clarke, J.H.R., see S.Y. Liem 67 (1991) 261
- Clearwater, S.H. and E.G. Stern, A rule-learning program in high energy physics event classification 67 (1991) 159
- Cuperman, S. and D. Zoler, Implementation of PDETWO code to non-ideal MHD-like systems of equations: relaxation, accuracy and boundary conditions 67 (1992) 435
- Daniell, G.J., see S. Amir-Azizi 67 (1992) 443
- Drouffe, J.-M. and K.J.M. Moriarty, Erratum notice. Microcanonical simulation for the three-state Potts model (CPC 64(1991)207) 67 (1991) 356
- Dubois, A., see J.P. Hansen 67 (1992) 456
- Eberhard, P.H. and O.P. Schneider, Reference functions to decrease errors in Monte Carlo integrals 67 (1992) 363
- Eberhard, P.H. and O.P. Schneider, Example of Monte Carlo integrals where reference functions are useful 67 (1992) 378
- Fauquembergue, R., Computer simulation of III-V MESFET's, MODFET's and MIS-like FET's 67 (1991) 63
- Fernandez Pacios, L., A program to test basis sets for quantum calculations with the option to include effective core potentials 67 (1991) 309
- Ferry, D.K., A.M. Krizan, M.J. Kann and R.P. Joshi, Molecular dynamics extensions of Monte Carlo simulation in semiconductor device modeling 67 (1991) 119
- Fjeldly, T.A., see G.U. Jensen 67 (1991) 1

- Geary, J.L., see J.J. Ambrosiano 67 (1991) 210
- Grotendorst, J., A Maple package for transforming series, sequences and functions 67 (1991) 325
- Hansen, J.P. and A. Dubois, Procedures for analytical and numerical calculation of Coulombic one- and two-centre integrals 67 (1992) 456
- Heinrichsberger, O., see S. Selberherr 67 (1991) 145
- Hess, K., see J.M. Higman 67 (1991) 93
- Higman, J.M., J. Bude and K. Hess, Electronic transport in semiconductors at high energy 67 (1991) 93
- Holl, B., see A. Buijs 67 (1992) 407
- Iglesias, E., T.L. Sordo and J.A. Sordo, Molecular associations from ab initio pair potentials 67 (1991) 268
- Jensen, G.U., B. Lund, T.A. Fjeldly and M. Shur, Monte Carlo simulation of semiconductor devices 67 (1991) 1
- Joshi, R.P., see D.K. Ferry 67 (1991) 119
- Kahane, S., Calculating real Delbrück amplitudes on parallel processors 67 (1991) 233
- Kanda, S., S. Kim and K. Kondo, Moment analysis of charged fragment distributions and separation of quark and gluon jets 67 (1991) 223
- Kann, M.J., see D.K. Ferry 67 (1991) 119
- Kim, S., see S. Kanda 67 (1991) 223
- Knowles, I.G., see G. Marchesini 67 (1992) 465
- Kondo, K., see S. Kanda 67 (1991) 223
- Kriman, A.M., see D.K. Ferry 67 (1991) 119
- Kuhn, T., see L. Reggiani 67 (1991) 135
- Lee, A.M., see A. Buijs 67 (1992) 407
- Liebling, Th.M., see F. Righetti 67 (1992) 509
- Liem, S.Y., D. Brown and J.H.R. Clarke, Molecular dynamics simulations on distributed memory machines 67 (1991) 261
- Lönnblad, L., C. Peterson, H. Pi and T. Rönvaldsson, Self-organizing networks for extracting jet features 67 (1991) 193
- Lund, B., see G.U. Jensen 67 (1991) 1
- MacLeod, A.J., Chebyshev series solution of the Thomas-Fermi equation 67 (1992) 389
- Mann, P.J., A relativistic smoothed particle hydrodynamics method tested with the shock tube 67 (1991) 245
- Mansour, N., see K.F. Brennan 67 (1991) 73
- Marchesini, G., B.R. Webber, G. Abbiendi, I.G. Knowles, M.H. Seymour and L. Stanco, HERWIG 5.1 - a Monte Carlo event generator for simulating hadron emission reactions with interfering gluons 67 (1992) 465
- Marston, C.C., see G.G. Balint-Kurti 67 (1991) 285
- Mocellin, A., see F. Righetti 67 (1992) 509
- Monkenbusch, M., A set of routines for efficient and accurate computation of lattice sums of  $1/r^n$ -potentials 67 (1991) 343
- Moriarty, K.J.M., see J.-M. Drouffe 67 (1991) 356
- Nitti, L., see L. Angelini 67 (1991) 293

- Pellicoro, M., see L. Angelini 67 (1991) 293
- Peterson, C., see L. Lönnblad 67 (1991) 193
- Pi, H., see L. Lönnblad 67 (1991) 193
- Požela, J., Monte Carlo simulation of charge-carrier behavior in electric fields 67 (1991) 105
- Preparata, G., see L. Angelini 67 (1991) 293
- Reggiani, L., T. Kuhn and L. Varani, Monte Carlo calculation of electronic noise in semiconductors 67 (1991) 135
- Righetti, F., H. Telley, Th.M. Liebling and A. Mocellin, 2D-CELL: image processing software for extraction and analysis of 2-dimensional cellular structures 67 (1992) 509
- Rittger, E., Handling three-body potentials in computer simulation 67 (1992) 412
- Rodriguez Azara, J.L., A MAPLE program for the generation of the Lie-series solution of systems of non-linear ordinary differential equations 67 (1992) 537
- Rögnvaldsson, T., see L. Lönnblad 67 (1991) 193
- Rupp, B., B. Smith and J. Wong, SEXIE – a microcomputer program for the calculation of coordination shells and geometries 67 (1992) 543
- Schneider, O.P., see P.H. Eberhard 67 (1992) 363
- Schneider, O.P., see P.H. Eberhard 67 (1992) 378
- Searles, D.J. and E.I. von Nagy-Felsobuki, A fitting program for potential energy surfaces of bent triatomic molecules 67 (1992) 527
- Selberherr, S., M. Stiftinger, O. Heinrichsberger and K.P. Traar, On the numerical solution of the three-dimensional semiconductor device equations on vector-concurrent computers 67 (1991) 145
- Seymour, M.H., see G. Marchesini 67 (1992) 465
- Shur, M., see G.U. Jensen 67 (1991) 1
- Smith, B., see B. Rupp 67 (1992) 543
- Smith, W., A replicated data molecular dynamics strategy for the parallel Ewald sum 67 (1992) 392
- Sordo, J.A., see E. Iglesias 67 (1991) 268
- Sordo, T.L., see E. Iglesias 67 (1991) 268
- Stanco, L., see G. Marchesini 67 (1992) 465
- Stern, E.G., see S.H. Clearwater 67 (1991) 159
- Stiftinger, M., see S. Selberherr 67 (1991) 145
- Stimpfl-Abele, G., Recognition of decays of charged tracks with neural network techniques 67 (1991) 183
- Telley, H., see F. Righetti 67 (1992) 509
- Traar, K.P., see S. Selberherr 67 (1991) 145
- Valenti, G., see L. Angelini 67 (1991) 293
- Varani, L., see L. Reggiani 67 (1991) 135
- Von Nagy-Felsobuki, E.I., see D.J. Searles 67 (1992) 527
- Wang, Y., see K.F. Brennan 67 (1991) 73
- Ward, C.L., see G.G. Balint-Kurti 67 (1991) 285
- Webber, B.R., see G. Marchesini 67 (1992) 465
- Wegmann, R., Book review 67 (1991) 360
- Wong, J., see B. Rupp 67 (1992) 543
- Zoler, D., see S. Cuperman 67 (1992) 435



## Program index to volume 67

### Computational methods

- Balint-Kurti, G.G., C.L. Ward and C.C. Marston  
 FGHEVEN (Fortran, 777 lines). Two computer programs for solving the Schrödinger equation for bound-state eigenvalues and eigenfunctions using the Fourier grid Hamiltonian method ACBP 67 (1991) 285
- Balint-Kurti, G.G., C.L. Ward and C.C. Marston  
 FGHFFT (Fortran, 900 lines). Two computer programs for solving the Schrödinger equation for bound-state eigenvalues and eigenfunctions using the Fourier grid Hamiltonian method ACBQ 67 (1991) 285
- Grotendorst, J.  
 TRANS (Maple, 1595 lines). A Maple package for transforming series, sequences and functions ACBL 67 (1991) 325

### Computer algebra

- Grotendorst, J.  
 TRANS (Maple, 1595 lines). A Maple package for transforming series, sequences and functions ACBL 67 (1991) 325
- Rodriguez Azara, J.L.  
 LIESER (Maple, 392 lines). A MAPLE program for the generation of the Lie-series solution of systems of non-linear ordinary differential equations ACBT 67 (1992) 537

### Condensed matter and surface science

- Iglesias, E., T.L. Sordo and J.A. Sordo  
 GEGIO (Fortran, 4777 lines). Molecular associations from ab initio pair potentials ACBN 67 (1991) 268
- Monkenbusch, M.  
 FP (Fortran, 2272 lines). A set of routines for efficient and accurate computation of lattice sums of  $1/r^n$ -potentials ACBM 67 (1991) 343
- Rupp, B., B. Smith and J. Wong  
 SEXIE (Fortran, 8836 lines, Manual 36 pages). SEXIE – a microcomputer program for the calculation of coordination shells and geometries ACBV 67 (1992) 543

**Elementary particle physics**

- Angelini, L., M. Pellicoro, L. Nitti, G. Preparata and G. Valenti  
FIRST (Fortran, 5013 lines). A Monte Carlo program for generating hadronic final states ACBR 67 (1991) 293
- Marchesini, G., B.R. Webber, G. Abbiendi, I.G. Knowles, M.H. Seymour and L. Stanco  
HERWIG (Fortran, 12534 lines). HERWIG 5.1 – a Monte Carlo event generator for simulating hadron emission reactions with interfering gluons ACBY 67 (1992) 465

**Graphics**

- Righetti, F., H. Telley, Th.M. Liebling and A. Mocellin  
2D-CELL (Pascal, 8178 lines). 2D-CELL: image processing software for extraction and analysis of 2-dimensional cellular structures ACBS 67 (1992) 509

**Molecular physics**

- Fernandez Pacios, L.  
INTAMON (Fortran, 1152 lines). A program to test basis sets for quantum calculations with the option to include effective core potentials ACBO 67 (1991) 309
- Hansen, J.P. and A. Dubois  
JANAL (Fortran, 1793 lines). Procedures for analytical and numerical calculation of Coulombic one- and two-centre integrals ACBW 67 (1992) 456
- Searles, D.J. and E.I. von Nagy-Felsobuki  
Fit-PowPad (Fortran, 2124 lines). A fitting program for potential energy surfaces of bent triatomic molecules ACBU 67 (1992) 527